

Title (en)
TRACHEOTOMY VALVE UNIT

Title (de)
TRACHEOTOMIEKLAPPENEINHEIT

Title (fr)
UNITE DE VALVE DE TRACHEOTOMIE

Publication
EP 1585569 A2 20051019 (EN)

Application
EP 03797015 A 20031215

Priority
• US 0339786 W 20031215
• US 43373502 P 20021216

Abstract (en)
[origin: US2004123868A1] A tracheotomy valve unit for use with a tracheotomy tube inserted into a patient's trachea comprises a first end for connection to the tracheotomy tube, a second end comprising a valve unit inlet, a first valve that permits airflow to the tube when the patient inhales and blocks airflow from the tube when the patient exhales thereby permitting speech, and a second valve that permits airflow from the tube back out the valve unit when the intrathoracic pressure during expiration is greater than about 12 cm of water. The second valve functions as a pressure release valve that increases tolerance and wearing comfort. In one embodiment, the second valve comprises a slit valve or an umbrella valve.

IPC 1-7
A61M 16/00

IPC 8 full level
A61M 16/20 (2006.01); **A61M 16/04** (2006.01); **A61M 39/22** (2006.01)

CPC (source: EP US)
A61M 16/0468 (2013.01 - EP US); **A61M 16/206** (2014.02 - EP US); **A61M 16/208** (2013.01 - EP US); **Y10T 137/778** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004123868 A1 20040701; **US 7240676 B2 20070710**; AU 2003297942 A1 20040729; AU 2003297942 B2 20090108;
CA 2509750 A1 20040722; CN 1747761 A 20060315; EP 1585569 A2 20051019; EP 1585569 A4 20060614; JP 2006509601 A 20060323;
WO 2004060438 A2 20040722; WO 2004060438 A3 20041028

DOCDB simple family (application)
US 73626603 A 20031215; AU 2003297942 A 20031215; CA 2509750 A 20031215; CN 200380109791 A 20031215; EP 03797015 A 20031215;
JP 2004565463 A 20031215; US 0339786 W 20031215